

# ABSTRACT OF THE DISCLOSURE

The invention achieves stabilization of the verification performance and augmentation of the verification performance. The fingerprint data synthesis apparatus includes a fingerprint data extraction section for extracting minutiae from each of a plurality of fingerprint images to produce fingerprint data, a fingerprint data storage section for storing the fingerprint data, a common minutia searching section for investigating a correspondence of the minutiae between the plurality of fingerprint data to search for the same minutiae included commonly in two or more of the plurality of fingerprint data as common minutiae, a fingerprint data synthesis section for selecting one of the common minutiae as a minutia representative of the common minutiae to produce one synthetic fingerprint data, and a validation section for validating the synthetic fingerprint data. The apparatus is applied to production of fingerprint data used in a system which identifies an individual.